

CODE	DATE	NTD
ANKOM	31 MAY 2005	GIPS
DATA ENTERED		
FINAL		

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

<del>IPC Class. or agent's file reference</del>		<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
101361-1 WO		International filing date (day/month/year)		(Earliest) Priority Date (day/month/year)
International application No.		01/02/2005		05/02/2004
PCT/GB2005/000339				
Applicant				
ASTRAZENECA AB				

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

SUBSTITUTED THIENO'2,3-D!PYRIMIDINES AS INHIBITORS OF TIE2

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

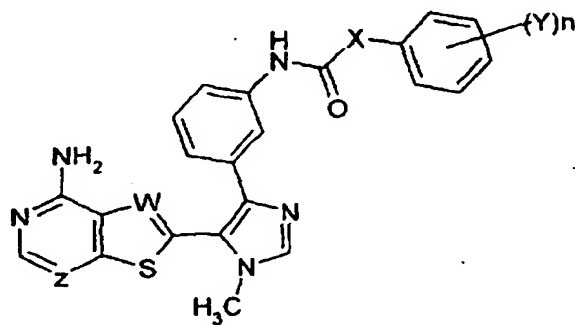
# INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB2005/000339

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A compound of the formula I:



Formula I

wherein the substituents are as defined in the text for use in the production of an anti-angiogenic effect in a warm-blooded animal such as man.

The compounds are inhibitors of the Tie2 receptor tyrosine kinase (TEK)

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2005/000339

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07D495/04 A61K31/519 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/013141 A (ASTRAZENECA AB; ASTRAZENECA UK LIMITED; LUKE, RICHARD, WILLIAM, ARTHUR) 12 February 2004 (2004-02-12) claims 3,7 page 161 - page 163; examples 186,188 -----	1-9
A	US 2004/014756 A1 (MICHAELIDES MICHAEL R 'US! ET AL) 22 January 2004 (2004-01-22) claims 18-20,24 -----	1-9
A	WO 03/022852 A (GLAXOSMITHKLINE K.K; SMITHKLINE BEECHAM CORPORATION; ADAMS, JERRY, LER) 20 March 2003 (2003-03-20) claim 44 page 153; example 276 -----	1-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

19 May 2005

Date of mailing of the international search report

31/05/2005

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2005/000339

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/062804 A (PHARMACIA ITALIA S.P.A; BERTA, DANIELA; FELDER, EDUARD; VULPETTI, ANNA) 15 August 2002 (2002-08-15) claim 1 -----	1-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000339

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004013141	A	12-02-2004	AU 2003246972 A1 CA 2494421 A1 WO 2004013141 A1	23-02-2004 12-02-2004 12-02-2004
US 2004014756	A1	22-01-2004	NONE	
WO 03022852	A	20-03-2003	EP 1425284 A2 JP 2005508904 T WO 03022852 A2 US 2005004142 A1	09-06-2004 07-04-2005 20-03-2003 06-01-2005
WO 02062804	A	15-08-2002	CA 2437260 A1 WO 02062804 A1 EP 1377589 A1 JP 2004520394 T MX PA03006863 A NZ 527123 A US 2004180881 A1	15-08-2002 15-08-2002 07-01-2004 08-07-2004 13-11-2003 29-04-2005 16-09-2004